

PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: : Conf. No.: 7327 RECEIVED
 ROSHDY GEORGE S. BARSOUM, RODNEY :
 O. PETERSON, DAVID P. OWEN, WAYNE :
 C. JONES and DAVID E. JOHNSON :
 Serial No.: 10/829,616 : Art Unit: 3676
 Filing Date: 04/22/04 :
 Attorney Docket No.: 96,151 :
 Title: MINE AND COLLISION PROTECTION FOR PASSENGER VEHICLE :

CENTRAL FAX CENTER
 OCT 04 2004

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

U.S. PATENT DOCUMENTS

- HG Mohr et al. U.S. Patent 6,792,843 B2 issued 21 September 2004
 Shih et al. U.S. Patent 6,532,857 B1 issued 18 March 2003
 Neal U.S. Patent 6,510,777 B2 issued 28 January 2003
 Barsoum U.S. Patent 6,386,131 B1 issued 14 May 2002
 Daqis et al. U.S. Patent 5,792,974 issued 11 August 1998
 Rousseau U.S. Patent 5,789,327 issued 04 August 1998
 Schade et al. U.S. Patent 5,705,764 issued 06 January 1998
 Park U.S. Patent 5,635,288 issued 03 June 1997
 Vives U.S. Patent 5,221,807 issued 22 June 1993
 Grillo U.S. Patent 4,738,893 issued 19 April 1988
 Smith, Jr. U.S. Patent 4,732,803 issued 22 March 1988
 Gerber et al. U.S. Patent 4,665,794 issued 19 May 1987
 Miguel U.S. Patent 4,404,889 issued 20 September 1983

EXAMINER SIGNATURE W. L. KaiserDATE CONSIDERED 1/3/05Certificate of Transmission under 37 CFR 1.8

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Howard Kaiser

PATENTS**PENDING U.S. PATENT APPLICATIONS¹**

140 U.S. provisional patent application serial no. 60/564,584, filing date 23 April 2004, attorney docket no. 96,026, invention entitled "Steel or Ceramic Armor Encapsulated or Sandwiched by a Polymer Having High Stress Hardening," inventors Roshdy George S. Barsoum and Phillip Dutt

141 U.S. nonprovisional patent application serial no. 10/864,317, filing date 10 June 2004, attorney docket no. 96,026, invention entitled "Armor Including a Strain Rate Hardening Elastomer," inventors Roshdy George S. Barsoum and Phillip Dutt

Please note the USPTO's "Waiver of the Copy Requirement in 37 CFR 1.98 for Cited Pending U.S. Patent Applications," effective 21 September 2004.

NON-PATENT DOCUMENTS

142 Amy Klamper, "Defense Seeks to Shift \$190M to Improve Armor for Humvees," article dated 23 March 2004, *Government Executive Magazine* website, www.govexec.com; article located at <http://www.govexec.com/dailyfed/0304/032304cdpm2.htm>, printer friendly version printed out (1 page) on 04 October 2004 at http://www.govexec.com/story_page.cfm?articleid=28059&printfriendlyVers=1&

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October 4, 2004

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SECOND INFORMATION DISCLOSURE STATEMENT BY APPLICANT

NON-PATENT DOCUMENTS

Hg P.E. Cros, L. Rota, C.E. Cottenot, R. Schirrer and C. Fond, "Experimental and Numerical Analysis of the Impact Behaviour of Polycarbonate and Polyurethane Multilayer," J. Phys. IV France 10, pages Pr9-671 to Pr9-676, 2000, EDP Sciences, Les Ulis, France*

Ho P.E. Cros, L. Rota, C.E. Cottenot, R. Schirrer and C. Fond, "Experimental Study and Numerical Simulations of the Impact Behaviour of Polycarbonate and Polyurethane Multilayer," 6 pages, apparently printed in 2000 or later, unknown whether or when published*

* The two above-cited documents appear to be practically identical, but with different titles. The former (Cros. et al. "Experimental and Numerical Analysis of the Impact Behaviour of Polycarbonate and Polyurethane Multilayer") is indicated as reference "[9]" in the latter (Cros. et al. "Experimental Study and Numerical Simulations of the Impact Behaviour of Polycarbonate and Polyurethane Multilayer").

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10/829,616

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THIRD INFORMATION DISCLOSURE STATEMENT BY APPLICANTPATENT DOCUMENTS

HG Kim U.S. Patent 6,298,963 B1 issued 09 October 2001

NON-PATENT DOCUMENTS

HG William Palmer, "Division Engineers Aid in Bolstering Protection for Marines in Iraq," *Wavelengths Online*, published online on 21 July 2004 at <http://www.dtnavy.mi/wavelengths/archives/000095.html>, one page printed out on 03 February 2005

HG William Palmer, "Division Engineers Aid in Bolstering Protection for Marines in Iraq," *Wavelengths* (An Employee Digest of Events and Information), Naval Sea Systems Command, Naval Surface Warfare Center, Carderock Division, July 2004 issue, page 11 (incl. photograph)

HG Edward M. Kennedy, Brian Hart and Alma Hart, "Pentagon Still Failing to Protect the Troops," *The Boston Globe*, article dated 03 February 2005, two pages (printer friendly version) printed out online at http://www.boston.com/news/globe/editorial_opinion/oped/articles/2005/02/03/pentagon_still_failing_to_protect_the_troops?mode=PE on 03 February 2005

HG Craig Gordon, "Unfit for Combat: Humvees Need Armor to Give Them a Fighting Chance," *Washington Bureau*, article dated 14 December 2003, five pages printed out online at <http://www.geocities.com/equipmentshop/hmmwv.htm> on 15 March 2004

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